

# MotorLock

EM6050 - EM6050/C  
T5100/M - T5100/M/C  
T5200/M - T5200/M/C  
T5300/M - T5300/M/C



## CHARACTERISTICS

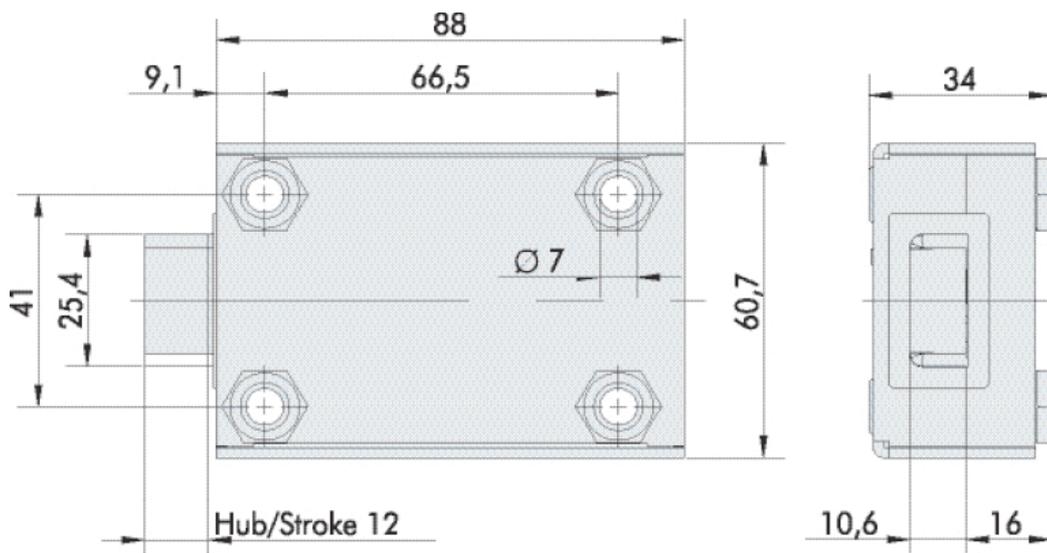
MotorLock is delivered with metric screws (M6) and can be mounted in all four directions (RH, LH, VU, VD),

The mounting dimensions are standard (magic module).

Entering a correct code, the lock activates the motor that moves the bolt which remains in the open position for 7 seconds. Subsequently the bolt is automatically reset in the closed position (models "/C" require to press any key).

**MotorLock is certified: VdS class 2 and EN1300 class B – UL Type 1**

## DIMENSIONS



## BOLTWORK REQUIREMENTS AND MOUNTING INSTRUCTION

For safety reasons it is not allowed to locate the electronic lock in the area where openings are. Any electronic part should not be accessible when the door is open.

The electronic lock has to be protected against external attacks.

## Mounting Instructions

The lock can be installed in all conventional safes.

Only use supplied screws to mount the lock; any other sort of screws must be approved by Tecnosicurezza before the installation.

For fixing the electronic lock 4 threaded holes M6 with depth min. 6 mm (or a comparable inch thread) have to be drilled into the safe door.

Fixing the lock with screws M6 or a comparable inch thread. Length and material application of the screw has to be selected such as a secure long-term stability is guaranteed.

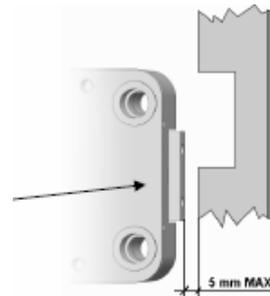
Tighten the screws securely so the lock body is attached firmly to the mounting surface (Torque approx. 2,5 - 5 Nm).

Independent loosening of the screws has to be avoided. Recommendation: put lock washers underneath the screw's head.



In the LOCKED position, there should be approximately 1 mm clearance between the lock bolt and the cavity in the blocking bar of the boltwork. The lock bolt must move freely into the cavity.

In OPEN position, there should be minimum 3mm and maximum 5 mm clearance between the lock bolt and the blocking bar of the boltwork.



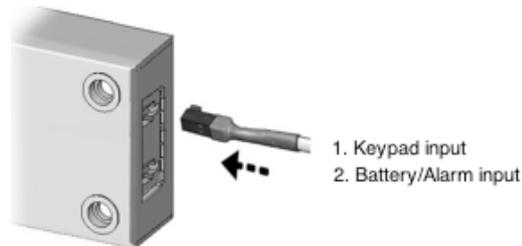
Any component attached to the bolt must be approved by Tecnosicurezza before installation. In any event the maximum and constantly bolt load may not exceed 2,5N.

The electronic lock is maintenance free in normal domestic and office surroundings. After approx. 10,000 closures it is recommended to carry out a security and functional test of the electronic lock.

### **KEYPAD MOUNTING INSTRUCTIONS**

- Mount the entry unit following the manufacturer's instruction.
- The cable/spindle hole's diameter must be minimum 9mm, maximum 12mm. To avoid damage to the cable, the hole should be completely seated.
- Insert the cable of the keypad in the hole, and connect it to the lock checking that it is completely seated in port 1 (see figure below). To remove the connector, carefully lift it and pull it out. Any battery or alarm interface must be connected in port (see figure below).

## Mounting Instructions



- Tie cables away from moving parts.
- In the entry unit or battery box connect a 9V-ALKALINE-battery. A series of signals during opening indicates that the battery is weak and must be replaced.

### **FUNCTIONAL TEST** (door must be open)

Press and hold the button 5 until two beeps (the LED will remain lit).

Type slowly all the key sequence as below:  
[1]-[2]-[3]-[4]-[5]-[6]-[7]-[8]-[9]-[0]

A double beep after pressing each button indicates that the keyboard is communicating correctly with the lock.

One long beep indicates a problem with the electronic type (in this case contact the technical assistance).

### **MECHANICAL FUNCTIONING** (door must be open)

Enter code (1,2,3,4,5,6). The lock emits a double signal for the correct code.

The bolt retracts in OPEN position and movements of the safe can now be unlocked.

After 7 seconds, the motor automatically resets the lock bolt in position CLOSED (models "/C" require to press any button to reset the lock bolt in closed position).

If the movements of the safe are in the open position the bolt returns to the closed position, thanks to the action of the internal spring, as soon as the bolts of the half strong will be handled.

Turn handle towards LOCKED position.

The bolt has to come out completely and ensure CLOSE.

Provided around the bolt there is free space in all directions when the movement is brought into the CLOSED position.

**Repeat the functional test several times before closing the safe door.**

**Failure to follow these installation instructions or open the lock by anyone not authorized by Tecnosicurezza will void the warranty.**



**TECNOSICUREZZA s.r.l.**

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